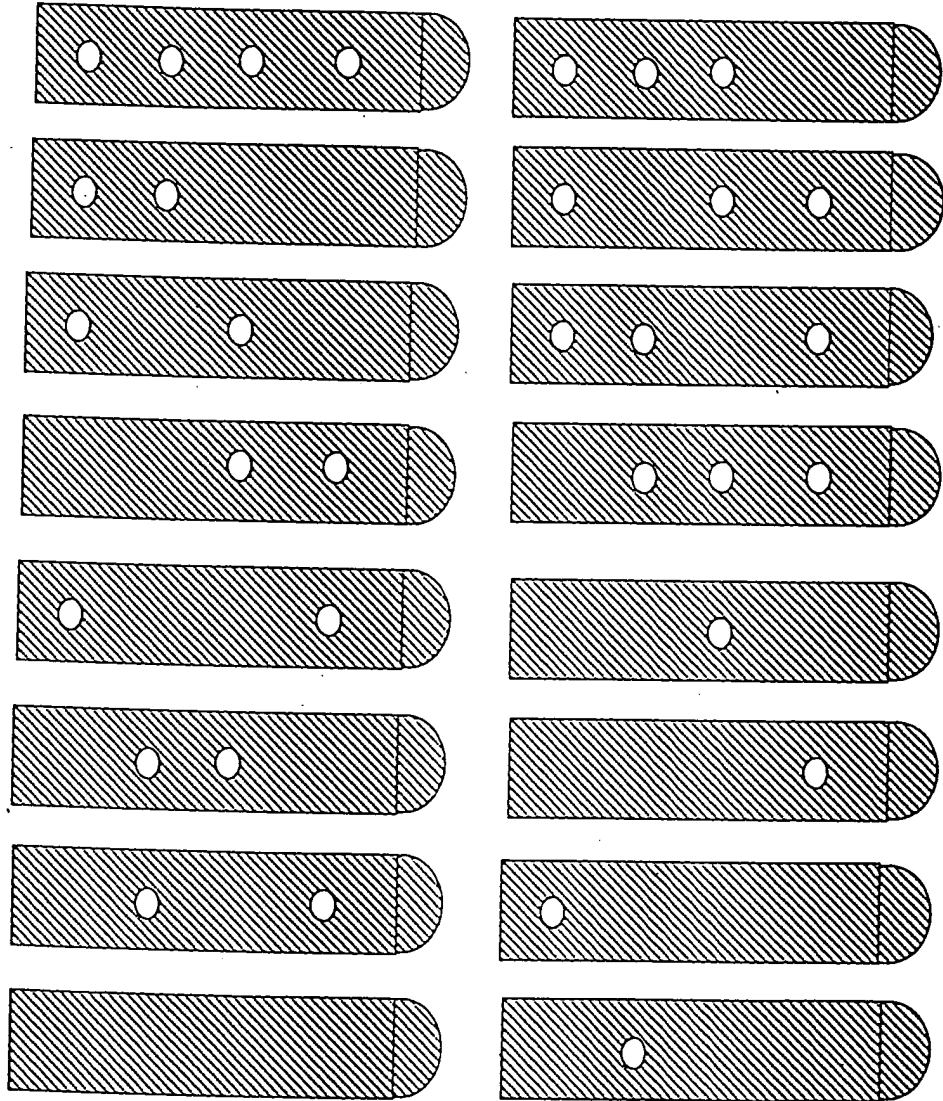
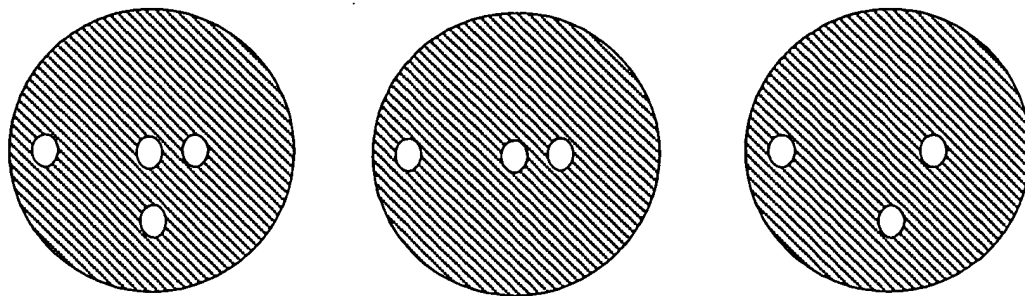
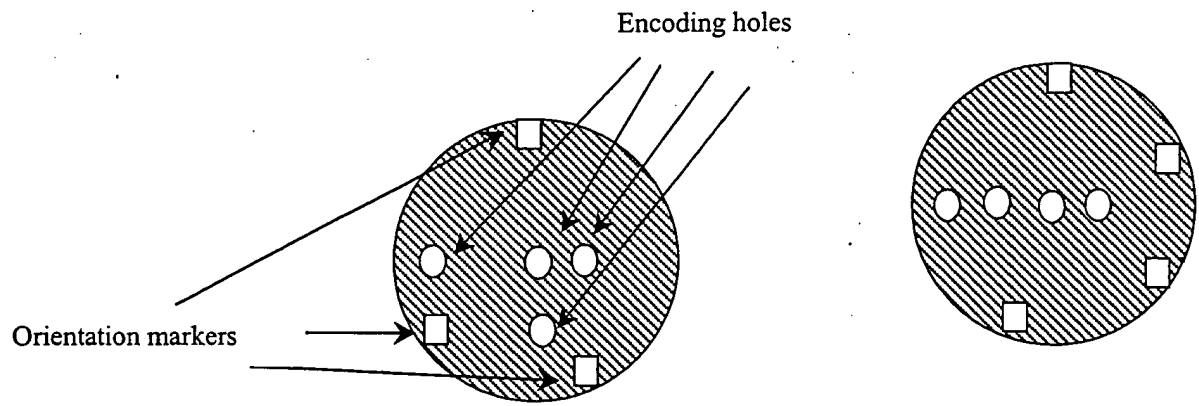


Figure 1

[illegible]

[illegible]

[illegible]

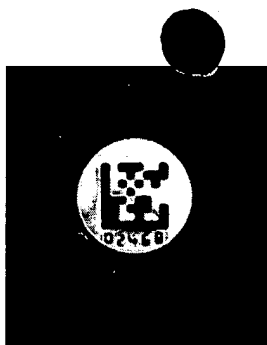


FIG. 4A



 SiO_2
 Nickel

FIG. 4B

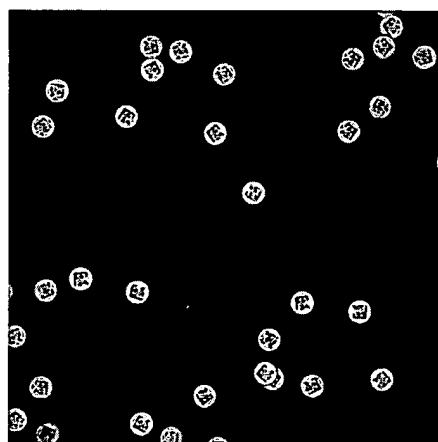


FIG. 5

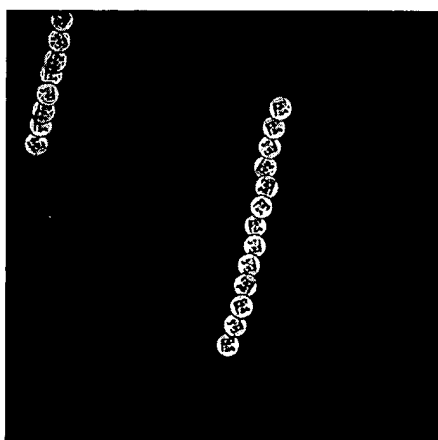


FIG. 6A

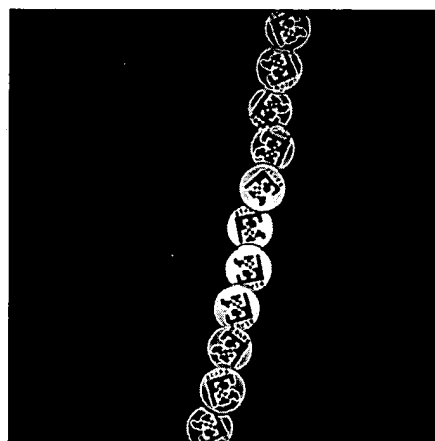


FIG. 6B



FIG. 7



FIG. 8A

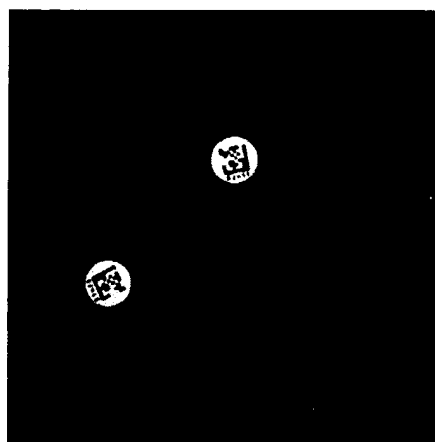


FIG. 8B

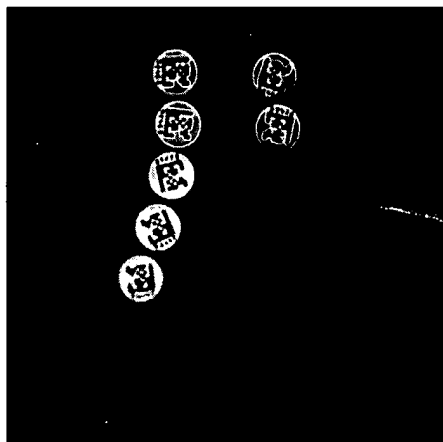


FIG. 9

FIG. 10A

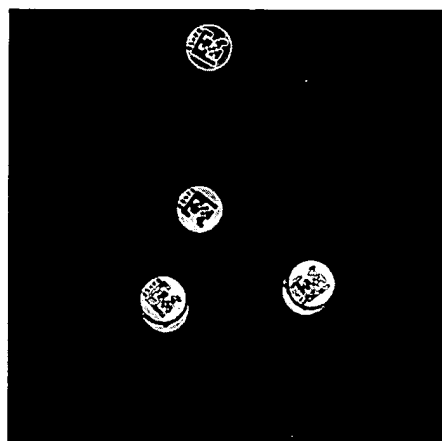


FIG. 10B

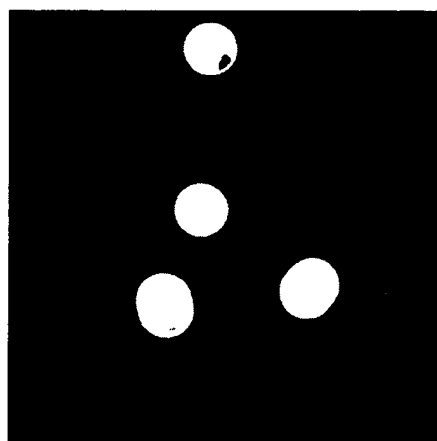


FIG. 10C

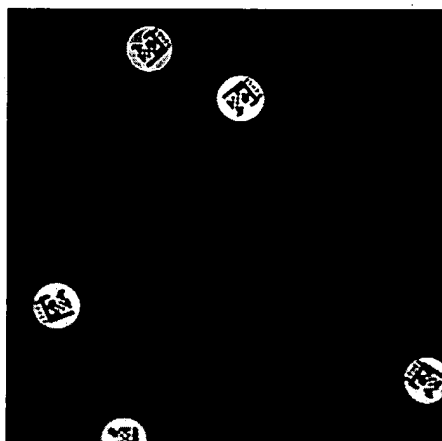


FIG. 10D

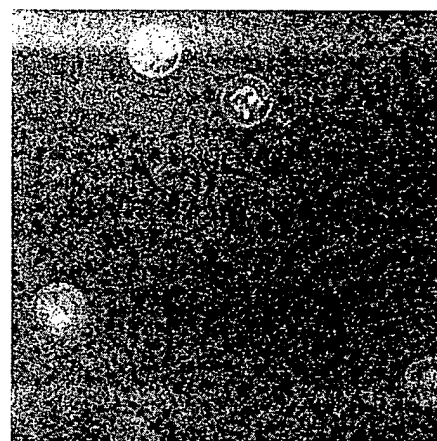


FIG. 11A

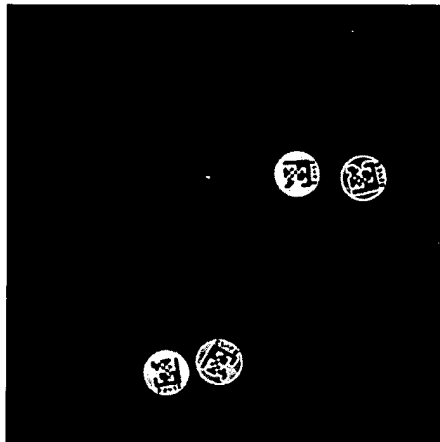


FIG. 11B

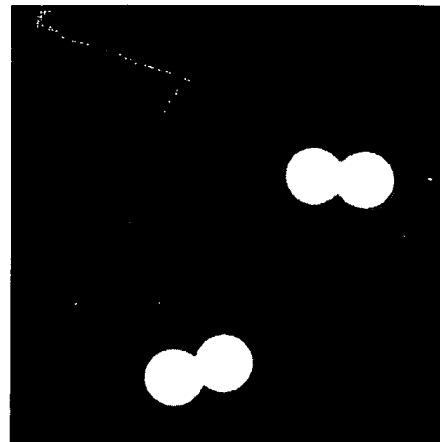


FIG. 11C

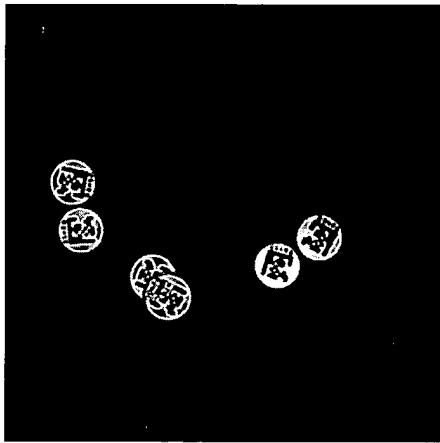


FIG. 11D

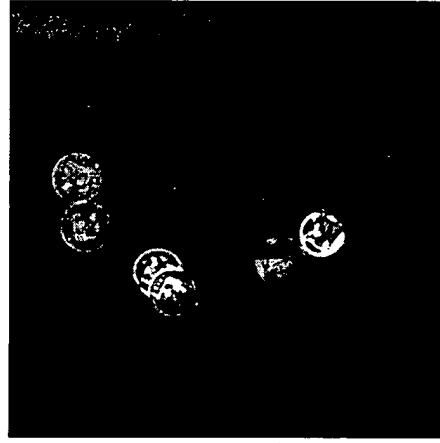


FIG. 12A

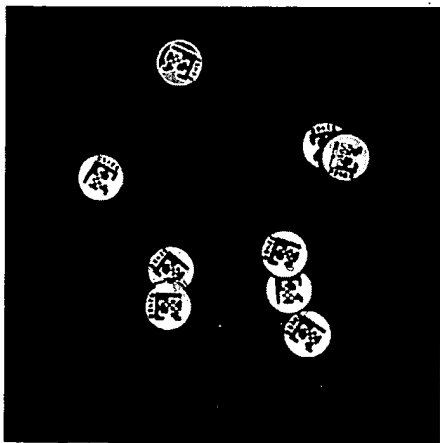


FIG. 12B

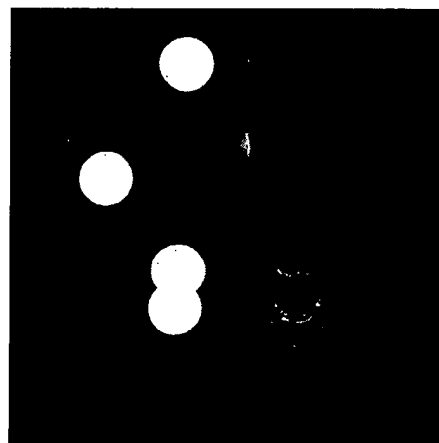


FIG. 13



FIG. 13A



FIG. 13B



FIG. 13C

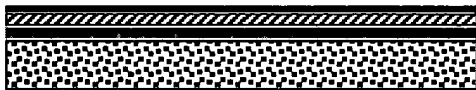


FIG. 13D



FIG. 13E

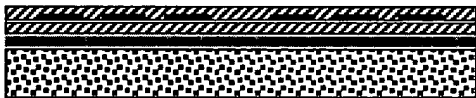


FIG. 13F

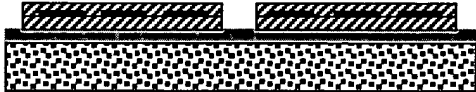
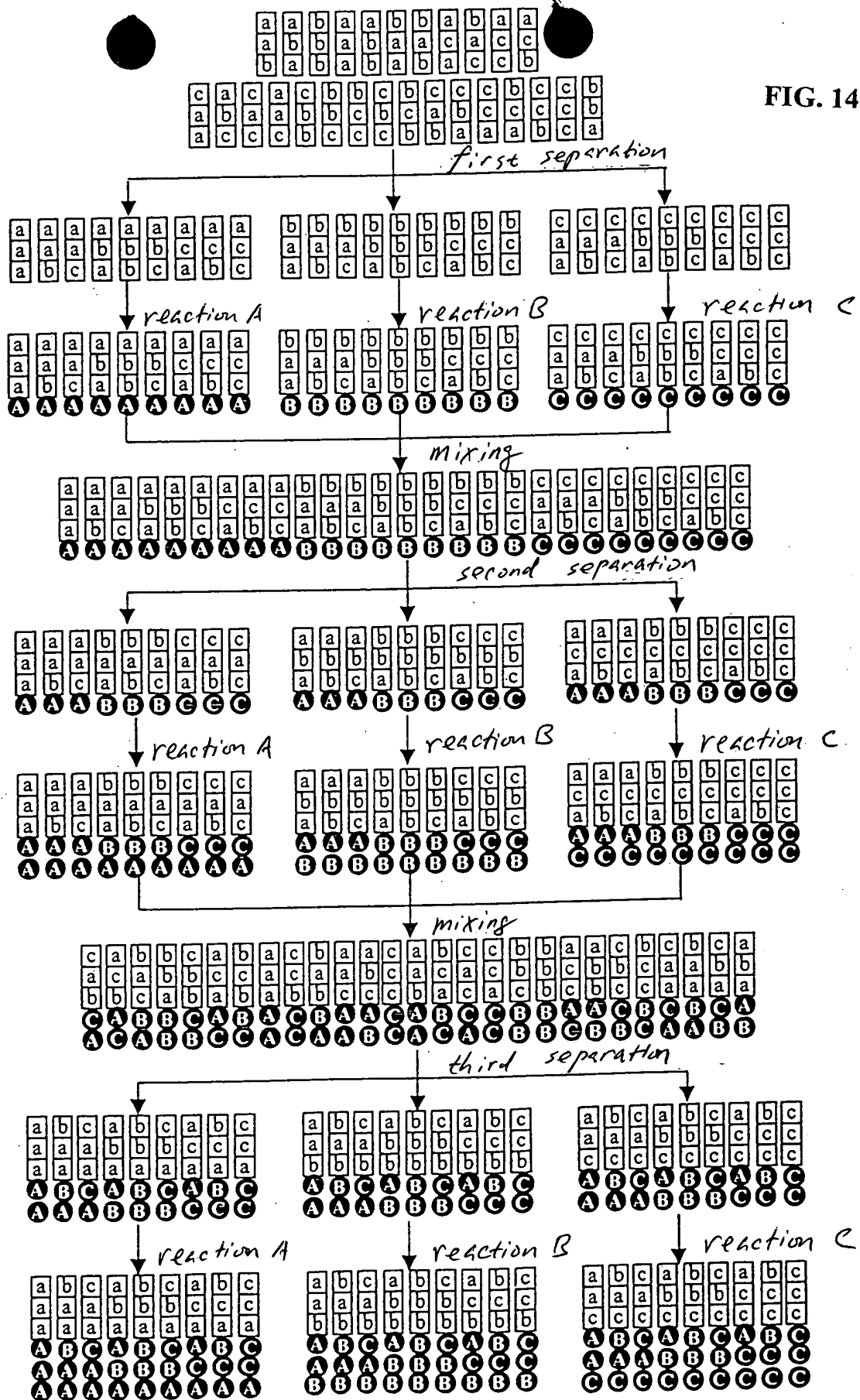


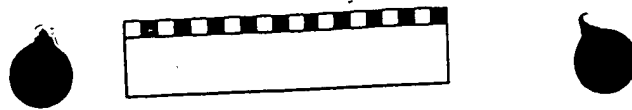
FIG. 13G



FIG. 13H

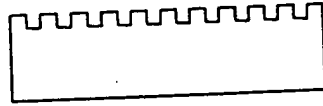
FIG. 14



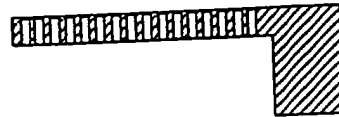


(A)

FIG. 15



(B)



(C)

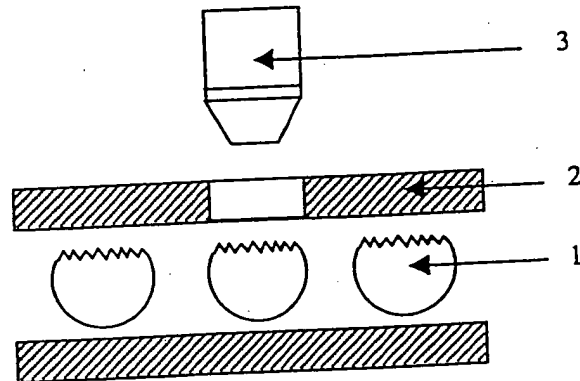


FIG. 16

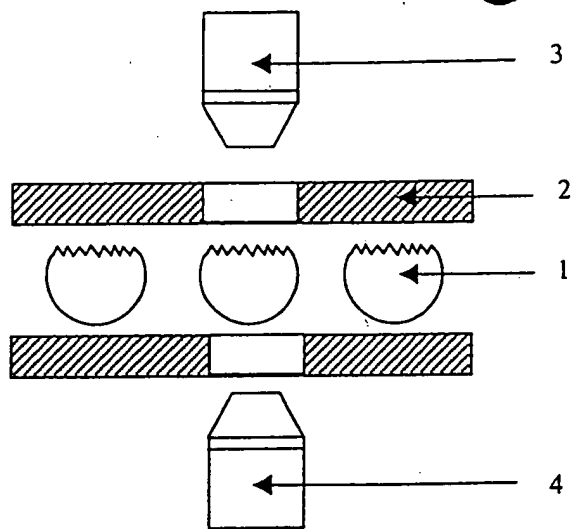


FIG. 17